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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SUBSTITUTED ARALKYL DERIVATIVES

 $A-(CH_2)_n-X-A_1 \xrightarrow{G_3} G_2 \qquad (I$

 $A-(CH_2)_n-X-Ar$ R_4

(Illa)

(57) Abstract: The present invention relates to novel substituted aralkyl derivatives of the general formula (I) & (IIIa), their derivatives, their analogs, their tautomeric forms, their pharmaceutically acceptable salts, their pharmaceutically acceptable solvates, pharmaceutical compositions containing them, use of these compounds in medicine and the intermediates involved in their preparation.

Pational Application No

A. CLASSIFICATION OF SUBJECT M. L. P. 1PC 7 C07D239/91 C07D279/16 C07D413/04 C07D265/38 C07D209/86 C07D215/14 C07D209/08 C07D213/30 C07D207/32 C07D235/06 C07D409/04 C07D261/08 C07D405/04 A61K31/421 A61K31/422

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07D C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, CHEM ABS Data, BEILSTEIN Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Υ .	WO 91/19702 A (PFIZER) 26 December 1991 (1991-12-26) see general formula II, especially definitions of Z and Z'	9-22	
Y	EP 0 930 299 A (JAPAN TOBACCO INC) 21 July 1999 (1999-07-21) cited in the application see definition of R' and examples 23,13.	9-22	
E	WO 2004/031162 A (HOFFMANN LA ROCHE) 15 April 2004 (2004-04-15) see defintions of R3 and R4	1-22	
Ρ,Υ	WO 02/092084 A (HOFFMANN LA ROCHE) 21 November 2002 (2002-11-21) cited in the application see defintions of R2,R3,R4,R6	1-22	

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X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filing date L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filing date but later than the priority date claimed	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
4 May 2004	11/05/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Scruton-Evans, I

INTERNATIONAL SEARCH REPORT | national Application No

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A. CLASSIFICATION OF SUBJECT IPC 7 A61K31/47	A 31/538	A61K31/4439	C07C43/0	03 A61P3/10
According to International Patent Class	ssification (IPC) or to both	national classification and	H IDO	

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

X	Citation of document, with indication, where appropriate, of the relevant passages EGBERTSON M S ET AL: "NON-PEPTIDE	Relevant to claim No.
x	EGBERTSON M S ET AL: "NON-PEPTIDE	101-
E	FIBRINOGEN RECEPTOR ANTAGONISTS. 2. OPTIMIZATION OF A TYROSINE TEMPLATE AS A MIMIC FOR ARG-GLY-ASP" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 37, no. 16, 1994, pages 2537-2551, XP000574969 ISSN: 0022-2623 see examples 24a and 17 WO 2004/004665 A (DEVASTHALE PRATIK; SQUIBB BRISTOL MYERS CO (US); CHEN SEAN (US); Y) 15 January 2004 (2004-01-15)	1,2,4,7,8,14,15
	see RN 647006-18-6 and RN 647006-17-5	

Patent family members are listed in annex.
 T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
Date of mailing of the international search report
Authorized officer
Scruton-Evans, I

rnational Application No

Continu	Princip Coching and Coching an	PCF (IN 03/00358
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,Y	WO 03/072102 A (CONNER SCOTT EUGENE; MANTLO NATHAN BRYAN (US); LILLY CO ELI (US);) 4 September 2003 (2003-09-04) see definitions of Q,R3/R4 and A and example 38	1-22
X	JP 51 149265 A (YOSHITOMI PHARMACEUT IND LTD) 22 December 1976 (1976-12-22) RN 62803-01-4	1
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 17-21 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. X Claims Nos.: 1-5 (partly),7,8 (partly),14-22 (partly) because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

International Application No. PCT/ IN 03 /00358

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-5 (partly), 7,8 (partly), 14-22 (partly)

Present claims 1-5,7,8,14-22 relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds of formula I wherein A is a heterocycle, Ar is a 1,4-phenylene and X is O, and all of the examples.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

rational Application No

AT 149156 T 15-03- AU 646052 B2 03-02- AU 7995691 A 07-01- CA 2084898 A1 15-12- DE 69124798 D1 03-04- DE 69124798 T2 12-06- DK 533781 T3 07-07- EP 0533781 A1 31-03- ES 2098356 T3 01-05- FI 925640 A 11-12- GR 3022714 T3 30-06- HU 65603 A2 28-07- IE 912003 A1 18-12- JP 2581523 B2 12-02- JP 7149636 A 13-06- JP 7005513 B 25-01- JP 5507920 T 11-11- NO 924799 A 14-12- NZ 238528 A 27-07- PT 97950 A ,B 31-03- WO 9119702 A1 26-12- US 5438074 A 01-08- ZA 9104519 A 27-01- EP 0930299 A 21-07-1999 JP 3215048 B2 02-10- JP 9323982 A 16-12- AU 740444 B2 01-11- AU 366597 A 06-03- BG 103268 A 29-12- AU 740444 B2 01-11- AU 366597 A 06-03- BG 103268 A 29-12- BR 9711627 A 24-08- CA 2263721 A1 26-02- EE 9900069 A 15-10- EP 0930299 A1 21-07- NO 990700 A 19-04- NZ 334738 A 26-01- PL 331861 A1 16-08- SK 21099 A3 16-05- US 6204277 B1 20-03- CN 1233241 A 27-10- CZ 9900536 A3 14-07- NO 990700 A 19-04- NZ 334738 A 26-01- PL 331861 A1 16-08- SK 21099 A3 16-05- US 6204277 B1 20-03- CN 1233241 A 27-10- CZ 9900536 A3 14-07- NO 990700 A 19-04- NZ 334738 A 26-01- PL 331861 A1 16-08- SK 21099 A3 16-05- US 6204277 B1 20-03- CN 1233241 A 27-10- CZ 9900536 A3 14-07- NO 990700 A 19-04- NZ 334738 A 26-01- PL 331861 A1 16-08- SK 21099 A3 16-05- US 6204277 B1 20-03- CN 1233241 A 27-10- CZ 9900536 A3 14-07- NO 990700 A 19-04- NZ 334738 A 26-01- PL 331861 A1 16-08- SK 21099 A3 16-05- US 6204277 B1 20-03- CN 1233241 A 27-10- CZ 9900536 A3 14-07- NO 990700 A 19-04- NO 2003055265 A1 20-03- CN 2003055265 A1 20-03- CN 2003055265 A1 20-03-	Cited	atent document d in search report		Publication date		Patent family member(s)		Publication date
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